

=> fil reg
FILE 'REGISTRY' ENTERED AT 11:02:52 ON 11 SEP 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 9 SEP 2002 HIGHEST RN 448894-79-9
DICTIONARY FILE UPDATES: 9 SEP 2002 HIGHEST RN 448894-79-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

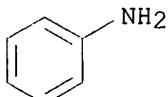
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d 11 ide can

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 62-53-3 REGISTRY
CN Benzenamine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Aniline (8CI)
OTHER NAMES:
CN Aminobenzene
CN Aminophen
CN Anyvim
CN Benzene, amino-
CN Blue Oil
CN C.I. 76000
CN NCI 176889
CN Phenylamine
FS 3D CONCORD
DR 37342-16-8, 146997-94-6
MF C6 H7 N
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU,
DETERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT,
RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2,
USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

34657 REFERENCES IN FILE CA (1967 TO DATE)
 2514 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 34721 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:162978

REFERENCE 2: 137:162473

REFERENCE 3: 137:161221

REFERENCE 4: 137:159934

REFERENCE 5: 137:158795

REFERENCE 6: 137:158577

REFERENCE 7: 137:158576

REFERENCE 8: 137:156802

REFERENCE 9: 137:156101

REFERENCE 10: 137:156094

=> d 13 ide can tot

L3 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 247079-29-4 REGISTRY

CN Benzenamine, nonamer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline nonamer

MF (C₆ H₇ N) 9

CI PMS

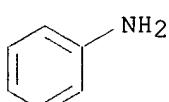
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3

CMF C₆ H₇ N



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:299791

L3 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 247079-28-3 REGISTRY

CN Benzenamine, heptamer (9CI) (CA INDEX NAME)

OTHER NAMES:

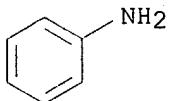
CN Aniline heptamer

MF (C₆ H₇ N) 7

CI PMS
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3
 CMF C6 H7 N



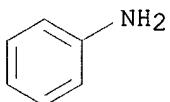
1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:299791

L3 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 165260-61-7 REGISTRY
 CN Benzenamine, pentamer (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Aniline pentamer
 MF (C6 H7 N)5
 CI PMS
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3
 CMF C6 H7 N



6 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 6 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:377247

REFERENCE 2: 132:181144

REFERENCE 3: 132:108685

REFERENCE 4: 131:299791

REFERENCE 5: 128:23332

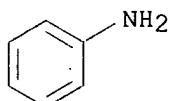
REFERENCE 6: 123:84558

L3 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2002 ACS
 RN 136260-71-4 REGISTRY
 CN Benzenamine, dimer (9CI) (CA INDEX NAME)
 OTHER NAMES:

CN Aniline dimer
MF (C₆ H₇ N)₂
CI PMS
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3
CMF C₆ H₇ N



15 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
15 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:288460
REFERENCE 2: 135:116136
REFERENCE 3: 134:148190
REFERENCE 4: 133:74364
REFERENCE 5: 133:44070
REFERENCE 6: 132:144344
REFERENCE 7: 131:299791
REFERENCE 8: 131:88434
REFERENCE 9: 129:95916
REFERENCE 10: 128:23332

L3 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 125597-22-0 REGISTRY

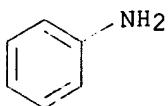
CN Benzenamine, octamer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline octamer
CN Octaaniline
MF (C₆ H₇ N)₈
CI PMS
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3
CMF C₆ H₇ N



9 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 9 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:116136

REFERENCE 2: 134:148190

REFERENCE 3: 133:74588

REFERENCE 4: 131:299791

REFERENCE 5: 131:200474

REFERENCE 6: 128:271339

REFERENCE 7: 128:175633

REFERENCE 8: 126:264425

REFERENCE 9: 112:99655

L3 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 125597-21-9 REGISTRY

CN Benzenamine, hexamer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline hexamer

MF (C₆ H₇ N)₆

CI PMS

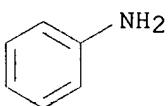
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3

CMF C₆ H₇ N



8 REFERENCES IN FILE CA (1967 TO DATE)
 8 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:377247

REFERENCE 2: 135:116136

REFERENCE 3: 132:181144

REFERENCE 4: 132:108685

REFERENCE 5: 131:299791

REFERENCE 6: 121:110381

REFERENCE 7: 115:137203

REFERENCE 8: 112:99655

L3 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 125597-20-8 REGISTRY

CN Benzenamine, trimer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline trimer

CN Trianiline

MF (C₆ H₇ N)₃

CI PMS

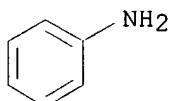
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3

CMF C₆ H₇ N



16 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

16 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:358201

REFERENCE 2: 134:57251

REFERENCE 3: 134:41790

REFERENCE 4: 133:323014

REFERENCE 5: 133:310898

REFERENCE 6: 133:151137

REFERENCE 7: 131:299791

REFERENCE 8: 131:88434

REFERENCE 9: 129:232026

REFERENCE 10: 128:230938

L3 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 114464-18-5 REGISTRY

CN Benzenamine, tetramer (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aniline tetramer

CN Tetraaniline

CN Tetraniiline

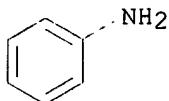
MF (C₆ H₇ N)₄

CI PMS

SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 62-53-3
 CMF C6 H7 N



39 REFERENCES IN FILE CA (1967 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 40 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:94304

REFERENCE 2: 135:116136

REFERENCE 3: 134:148190

REFERENCE 4: 133:351572

REFERENCE 5: 133:341863

REFERENCE 6: 133:310239

REFERENCE 7: 133:164582

REFERENCE 8: 133:31155

REFERENCE 9: 132:322370

REFERENCE 10: 132:294227

L3 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 25233-30-1 REGISTRY

CN Benzenamine, homopolymer (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aniline, polymers (8CI)

OTHER NAMES:

CN Aniline homopolymer

CN Aniline polymer

CN Anirido

CN Corppassiv 4900

CN Corppassiv 4901

CN Ormecon

CN PASS 01

CN Polyaniline

CN Polyemeraldine

CN Polyphenyleneamine

CN Skippers Corppassiv

CN Versicon

CN XICP O501

DR 105961-05-5, 241824-47-5

MF (C6 H7 N)x

CI PMS, COM

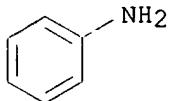
PCT Polyamine, Polyamine formed

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,

CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CIN, CSCHEM, EMBASE, MEDLINE,
NIOSHTIC, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB

CM 1

CRN 62-53-3
CMF C6 H7 N



7586 REFERENCES IN FILE CA (1967 TO DATE)
580 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7611 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 137:162473

REFERENCE 2: 137:161801

REFERENCE 3: 137:159249

REFERENCE 4: 137:157197

REFERENCE 5: 137:156323

REFERENCE 6: 137:156187

REFERENCE 7: 137:155873

REFERENCE 8: 137:155503

REFERENCE 9: 137:155403

REFERENCE 10: 137:155327

=> d his

(FILE 'HOME' ENTERED AT 10:36:52 ON 11 SEP 2002)
SET COST OFF

FILE 'REGISTRY' ENTERED AT 10:37:03 ON 11 SEP 2002
E ANILINE/CN

L1 1 S E3
L2 3660 S 62-53-3/CRN
L3 9 S L2 AND C6H7N AND PMS/CI AND 1/NC
E (C6H6N)N/MF

FILE 'HCAPLUS' ENTERED AT 10:40:02 ON 11 SEP 2002

L4 7637 S L3
L5 34734 S L1
L6 95 S ?OLIGOANILIN?
L7 9597 S POLYANILINE
L8 316 S POLY ANILINE
L9 4 S ?OLIGO ANILIN?
E CHIANG L/AU
L10 86 S E3,E12
L11 154 S E43-E45

L12 22 S L4-L9 AND L10,L11
 L13 26 S L11 AND ?ANILIN?
 L14 28 S L12,L13
 SEL RN

FILE 'REGISTRY' ENTERED AT 10:45:14 ON 11 SEP 2002

L15 151 S E1-E151
 L16 2 S L15 AND L1-L3
 L17 149 S L15 NOT L16
 L18 34 S L17 AND 46.150.18/RID AND N/ELS
 L19 17 S L18 NOT ?FULLER?/CNS
 L20 13 S L19 NOT CCS/CI
 L21 10 S L20 NOT TYROSINE
 L22 7 S L21 NOT (C4H8O OR C6H8N2)
 L23 9 S L16,L22
 L24 115 S L17 NOT L18

FILE 'HCAPLUS' ENTERED AT 10:49:31 ON 11 SEP 2002

E NEOPLASM/CT
 E E3+ALL

L25 201175 S E3-E7,E2+NT
 E NEOPLASM INHIBITOR/CT
 E E4+ALL

L26 76958 S E1
 E E2+ALL

L27 92034 S E3+NT
 E CHEMOTHERPAY/CT
 E CHEMOTHERAPY/CT
 E E3+ALL

L28 10271 S E4,E3+NT

L29 100761 S E2+NT
 E CYTOPROTECT/CT
 E E5+ALL

L30 10848 S E3+NT
 E CYTOTOX/CT
 E E6+AKK
 E E3+ALL

L31 6578 S E2+NT

L32 537 S L4-L9 AND L25-L31

L33 2 S L32 AND L4

L34 3 S L32 AND L6-L9

L35 3 S L33,L34

L36 1 S L35 AND L10,L11

L37 31 S L3(L) (THU OR BAC OR BUU) /RL

L38 41 S L3 AND (1 OR 15 OR 63)/SC,SX

L39 1032 S L4-L9 AND (?NEOPLAS? OR ?TUMOR? OR ?TUMOUR? OR ?MALIGNAN? OR

L40 1 S L39 AND L37,L38

L41 16 S L39 AND L4,L6-L9

L42 1 S L41 AND L35

L43 1 S L36,L40,L42

L44 15 S L41 NOT L43
 SEL RN

FILE 'REGISTRY' ENTERED AT 10:59:24 ON 11 SEP 2002

L45 51 S E1-E51
 L46 9 S L45 AND 46.150.18/RID AND N/ELS

FILE 'HCAPLUS' ENTERED AT 11:00:53 ON 11 SEP 2002

L47 10 S L46 AND L44
 L48 1 S L43 AND L4-L14,L25-L44,L47
 SEL RN

FILE 'REGISTRY' ENTERED AT 11:02:05 ON 11 SEP 2002

L49 52 S E52-E103
 L50 17 S L49 AND 46.150.18/RID AND N/ELS
 L51 1 S L50 AND L1,L3
 L52 16 S L50 NOT L51

FILE 'REGISTRY' ENTERED AT 11:02:52 ON 11 SEP 2002

=> fil hcaplus
 FILE 'HCAPLUS' ENTERED AT 11:03:12 ON 11 SEP 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11
 FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d 148 all hitstr

L48 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
 AN 2001:676265 HCAPLUS
 DN 135:242132
 TI Preparation of E-isomeric fullerene derivatives
 IN Chiang, Long Y.
 PA Taiwan
 SO Eur. Pat. Appl., 33 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C07D209-58
 ICS A61K031-403
 CC 27-10 (Heterocyclic Compounds (One Hetero Atom))
 Section cross-reference(s): 1, 35
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1132380	A1	20010912	EP 2001-104557	20010305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1317484	A	20011017	CN 2001-109401	20010306
JP 2001302630	A2	20011031	JP 2001-61660	20010306
PRAI US 2000-521025	A	20000306		
OS MARPAT 135:242132				
AB The prepn. of cis-isomeric fulleropyrrolidines such as 1-methyl-3-(hydroxyphenylmethyl)fulleropyrrolidine-1,3-dicarboxylic acid				

and related compds. and oligomers are disclosed. The compds. are useful as **antitumor** agents.

ST fulleropyrrolidine prepn **antitumor** agent; fullerene pyrrolo prepn **antitumor** agent

IT Radical scavengers

IT **Antitumor agents**
(E-isomeric fullerene derivs.)

IT Antioxidants
(pharmaceutical)

IT **Photodynamic therapy**
(prepns. of cis-isomeric fullerenopyrrolidine derivs. as **antitumor** agents)

IT **Polyanilines**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepns. of cis-isomeric fullerenopyrrolidine derivs. as **antitumor** agents)

IT **Fullerenes**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(pyrrolo derivs.; prepns. of cis-isomeric fullerenopyrrolidine derivs. as **antitumor** agents)

IT 14376-52-4P 81380-47-4P 186413-21-8P 359819-60-6P 359819-62-8P
359819-63-9P 359819-64-0P 359819-65-1P 359819-67-3P 359819-69-5P
359819-72-0P 359819-73-1P 359819-78-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate product in prepn. of cis-isomeric fullerenopyrrolidine derivs.)

IT 359819-56-0P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(oligomeric; prepns. of cis-isomeric fullerenopyrrolidine derivs.)

IT 359819-52-6P 359819-53-7P 359819-55-9P 359867-52-0P 359867-53-1P
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepns. of cis-isomeric fullerenopyrrolidine derivs.)

IT 359819-54-8P 359819-57-1P 359819-58-2DP, reaction product with hexadecaaniline and dicyclohexylcarbodiimide 359819-76-4P
359819-80-0P 359819-82-2P 359867-50-8P 359867-51-9P 359867-55-3P
359867-56-4P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepns. of cis-isomeric fullerenopyrrolidine derivs.)

IT 359867-49-5P
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(prepns. of cis-isomeric fullerenopyrrolidine derivs. as **antitumor** agents)

IT 359867-54-2P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepns. of cis-isomeric fullerenopyrrolidine derivs. as **antitumor** agents)

IT 359819-59-3P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepns., radical scavenging potency and **antitumor** activity of cis-isomeric fullerenopyrrolidine derivs.)

IT 359819-58-2P
RL: BAC (Biological activity or effector, except adverse); BPR (Biological

process); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

(prepn., reactions with hexadecaaniline or glycylglycine, radical scavenging potency and antitumor activity)

IT 52-90-4, L-Cysteine, reactions 56-41-7, L-Alanine, reactions 56-45-1, L-Serine, reactions 56-86-0, L-Glutamic acid, reactions 59-92-7, 3-(3,4-Dihydroxyphenyl)-L-alanine, reactions 61-90-5, L-Leucine, reactions 90-02-8, Salicylaldehyde, reactions 108-30-5, Succinic anhydride, reactions 127-17-3, Pyruvic acid, reactions 156-39-8, p-Hydroxyphenylpyruvic acid 302-72-7, Alanine 328-50-7, 2-Ketoglutaric acid 538-75-0, 1,3-Dicyclohexylcarbodiimide 556-03-6, Tyrosine 556-50-3, Glycylglycine 589-17-3, p-Bromobenzyl chloride 2144-08-3, 2,3,4-Trihydroxybenzaldehyde 5650-40-8, 2-Hydroxypropiophenone 99685-96-8, [5,6]Fullerene-C60-1h

RL: RCT (Reactant); RACT (Reactant or reagent)

(reactant for prepn. of cis-isomeric fullerenopyrrolidine derivs.)

IT 25233-30-1DP, Polyaniline, reaction product with fulleropyrrolidinedicarboxylic acid and dicylohexylcarbodiimide

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(reactant for prepn. of cis-isomeric fullerenopyrrolidine derivs.)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; PATENT ABSTRACTS OF JAPAN 1995, V1995(03)
- (2) Anon; PATENT ABSTRACTS OF JAPAN 2001, V2000(13)
- (3) Chiang, L; EP 0770577 A 1997 HCPLUS
- (4) Fuji Photo Film Co Ltd; JP 2000290278 A 2000 HCPLUS
- (5) Gan, L; JOURNAL OF ORGANIC CHEMISTRY 1999, V61(6), P1954
- (6) Hoechst Ag; DE 4240042 A 1994 HCPLUS
- (7) Huang, Y; JOURNAL OF COLLOID AND INTERFACE SCIENCE 1998, V204, P277 HCPLUS
- (8) Mashino, T; ELECTROCHEMICAL SOCIETY PROCEEDINGS 2000, V2000(11), P244
- (9) Mitsubishi Kasei Corp; JP 06336458 A 1994 HCPLUS
- (10) Shi, Y; THIN SOLID FILMS 1999, V352(1,2), P218 HCPLUS
- (11) Shi-Hui, W; HUAXUE XUEBAO 1999, V57(7), P812
- (12) Sijbesma, R; US 5811460 A 1998 HCPLUS
- (13) Tabata, Y; PURE APPL CHEM 1999, V71(11), P2047 HCPLUS
- (14) Wu, S; SYNTHETIC COMMUNICATIONS 1997, V27(13), P2289 HCPLUS

IT 25233-30-1DP, Polyaniline, reaction product with fulleropyrrolidinedicarboxylic acid and dicylohexylcarbodiimide

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(reactant for prepn. of cis-isomeric fullerenopyrrolidine derivs.)

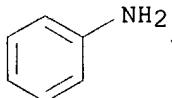
RN 25233-30-1 HCPLUS

CN Benzenamine, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 62-53-3

CMF C6 H7 N



USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5
 DICTIONARY FILE UPDATES: 10 SEP 2002 HIGHEST RN 449140-76-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

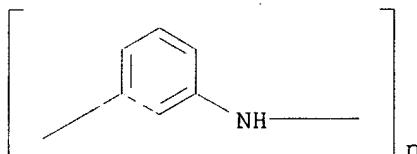
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can tot 16

L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2002 ACS
 RN 63519-68-6 REGISTRY
 CN Poly(imino-1,3-phenylene) (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 1,3-benzenediamine-1,3-dibromobenzene copolymer, SRU
 MF (C₆ H₅ N)n
 CI PMS
 PCT Polyamine
 LC STN Files: CA, CAPLUS

RELATED POLYMERS AVAILABLE WITH POLYLINK



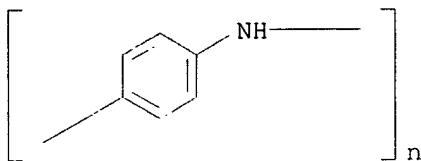
18 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 18 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:185435
 REFERENCE 2: 135:109499
 REFERENCE 3: 134:71951
 REFERENCE 4: 130:252746
 REFERENCE 5: 129:260975
 REFERENCE 6: 128:257764
 REFERENCE 7: 127:359189
 REFERENCE 8: 127:191278
 REFERENCE 9: 126:75417

REFERENCE 10: 123:145163

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2002 ACS
 RN 32036-19-4 REGISTRY
 CN Poly(imino-1,4-phenylene) (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Hydroquinone-p-phenylenediamine polymer, SRU
 MF (C₆ H₅ N)_n
 CI PMS
 PCT Polyamine
 LC STN Files: CA, CAPLUS, USPATFULL

RELATED POLYMERS AVAILABLE WITH POLYLINK



27 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 27 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:408315

REFERENCE 2: 136:185435

REFERENCE 3: 130:267912

REFERENCE 4: 126:264787

REFERENCE 5: 122:147527

REFERENCE 6: 115:115197

REFERENCE 7: 113:51789

REFERENCE 8: 112:217827

REFERENCE 9: 112:217810

REFERENCE 10: 111:66540

=> d his 16-

(FILE 'REGISTRY' ENTERED AT 12:52:06 ON 11 SEP 2002)
 L6 2 S L5 NOT (CL/ELS OR AMINO)

FILE 'HCAPLUS' ENTERED AT 12:58:10 ON 11 SEP 2002
 L7 44 S L6
 L8 0 S L7 AND (1 OR 15 OR 63)/SC, SX
 L9 0 S L7 AND (THU OR BIOL OR BUU OR DGN)/RL

FILE 'REGISTRY' ENTERED AT 13:00:09 ON 11 SEP 2002

=> fil cancer
 FILE 'CANCERLIT' ENTERED AT 13:24:01 ON 11 SEP 2002

FILE COVERS 1963 TO 19 Aug 2002 (20020819/ED)

On July 28, 2002, CANCERLIT was reloaded. See HELP RLOAD for details.

CANCERLIT thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all 131

L31 ANSWER 1 OF 1 CANCERLIT
 AN 85003491 CANCERLIT
 DN 85003491 PubMed ID: 6479113
 TI On the carcinogenicity of aniline.
 AU Wilmer J L
 SO ENVIRONMENTAL MUTAGENESIS, (1984) 6 (5) 629-32.
 Journal code: 7909737. ISSN: 0192-2521.
 CY United States
 DT Letter
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 85003491
 EM 198411
 ED Entered STN: 19941107
 Last Updated on STN: 19941107
 CT Check Tags: Animal
 *Aniline Compounds: TO, toxicity
 *Carcinogens
 Rats
 Rats, Inbred F344
 Sarcoma, Experimental: CI, chemically induced
 *Sarcoma, Experimental: PA, pathology
 RN 62-53-3 (aniline)
 CN 0 (Aniline Compounds); 0 (Carcinogens)

=> fil medline

FILE 'MEDLINE' ENTERED AT 13:27:34 ON 11 SEP 2002

FILE LAST UPDATED: 10 SEP 2002 (20020910/UP). FILE COVERS 1958 TO DATE.

On June 9, 2002, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> d all

L40 ANSWER 1 OF 1 MEDLINE
 AN 85003491 MEDLINE
 DN 85003491 PubMed ID: 6479113
 TI On the carcinogenicity of aniline.
 AU Wilmer J L
 SO ENVIRONMENTAL MUTAGENESIS, (1984) 6 (5) 629-32.
 Journal code: 7909737. ISSN: 0192-2521.
 CY United States
 DT Letter

LA English
 FS Priority Journals
 EM 198411
 ED Entered STN: 19900320
 Last Updated on STN: 19900320
 Entered Medline: 19841116
 CT Check Tags: Animal
 *Aniline Compounds: TO, toxicity
 *Carcinogens
 Rats
 Rats, Inbred F344
 Sarcoma, Experimental: CI, chemically induced
 *Sarcoma, Experimental: PA, pathology
 RN 62-53-3 (aniline)
 CN 0 (Aniline Compounds); 0 (Carcinogens)

=> fil embase
 FILE 'EMBASE' ENTERED AT 13:46:54 ON 11 SEP 2002
 COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE COVERS 1974 TO 5 Sep 2002 (20020905/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all tot

L71 ANSWER 1 OF 2 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 94228892 EMBASE
 DN 1994228892
 TI Potential radioprotective agents. 2. Substituted anilines.
 AU Blickenstaff R.T.; Brandstatter S.M.; Reddy S.; Witt R.; Lipkowitz K.B.
 CS Department of Chemistry, Indiana University, Purdue University
 Indianapolis, Indianapolis, IN 46205, United States
 SO Journal of Pharmaceutical Sciences, (1994) 83/2 (218-221).
 ISSN: 0022-3549 CODEN: JPMSAE
 CY United States
 DT Journal; Article
 FS 014 Radiology
 030 Pharmacology
 037 Drug Literature Index
 LA English
 SL English
 AB A series of substituted anilines was examined for
 radioprotective activity by injecting them ip into mice subjected to a
 near-lethal dose of 6 mV photons. Electronegative groups such as Br, NO₂,
 CN, and acyl in the meta or para position gave rise to highly active
 compounds (80-100% protection), while p-amino, methyl, amide, hydroxy, and
 fluoro groups decrease activity. No general correlations could be
 developed, however, between biological activity and a wide variety of
 calculated molecular parameters. The highest activity was found with
 p-aminobenzophenone (1), p-aminopropiophenone (2), its ethylene ketal (3),
 2-amino-5-chloropyridine (35), and 5-amino-2- chloropyridine (36).
 CT Medical Descriptors:
 *radiation protection
 animal experiment
 animal model
 article
 carcinogenicity
 controlled study

dna repair
drug structure
genotoxicity
hypoxemia
lethal dose
male
mouse
nonhuman
radiation injury
structure activity relation
X irradiation

Drug Descriptors:

*aniline derivative: AN, drug analysis
*aniline derivative: PD, pharmacology
*radioprotective agent: AN, drug analysis
*radioprotective agent: PD, pharmacology
benzophenone: AN, drug analysis
benzophenone: PD, pharmacology

RN (benzophenone) 119-61-9

L71 ANSWER 2 OF 2 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 86008757 EMBASE

DN 1986008757

TI Synthesis of the new Platinum (II) and Platinum (IV) complexes with Aniline derivatives, as potential antitumour drugs.

AU Craciunescu D.; Doadrio Lopez A.

CS Department of Inorganic and Analytical Chemistry, Faculty of Pharmacy, Madrid 28003, Spain

SO Anales de la Real Academia de Farmacia, (1985) 51/3 (443-456).

CODEN: ARAFAY

CY Spain

DT Journal

FS 037 Drug Literature Index

LA English

SL Spanish

CT Medical Descriptors:

*cancer chemotherapy
*drug comparison
*drug identification
*drug screening
*drug synthesis
*infrared spectrometry
*leukemia l 1210
*leukemia p 388
*platinum aniline dichloride derivative
*platinum dihydroxy aniline dichloride derivative

drug analysis

therapy

intraperitoneal drug administration

animal experiment

animal model

nonhuman

mouse

blood and hemopoietic system

Drug Descriptors:

new drug

>= fil wpix

FILE 'WPIX' ENTERED AT 14:10:03 ON 11 SEP 2002

COPYRIGHT (C) 2002 THOMSON DERWENT

MOST RECENT DERWENT UPDATE 200258 <200258/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> SLART (Simultaneous Left and Right Truncation) is now available in the /ABEX field. An additional search field /BIX is also provided which comprises both /BI and /ABEX <<<

>>> The BATCH option for structure searches has been enabled in WPINDEX/WPIIDS and WPIX <<<

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,
SEE <http://www.derwent.com/dwpi/updates/dwpicov/index.html> <<<

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE,
PLEASE VISIT:

http://www.stn-international.de/training_center/patents/stn_guide.pdf <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER
GUIDES, PLEASE VISIT:
http://www.derwent.com/userguides/dwpi_guide.html <<<

=> d all abeq tech abex 191

L91 ANSWER 1 OF 1 WPIX (C) 2002 THOMSON DERWENT
AN 1986-194719 [30] WPIX

DNC C1986-084041

TI Anti-tumour drug - comprising **aniline** derivs. as active ingredient.

DC B05

PA (KURE) KUREHA CHEM IND CO LTD

CYC 1

PI JP 61129120 A 19860617 (198630)* 3p
JP 03044049 B 19910704 (199131)

ADT JP 61129120 A JP 1984-251287 19841128; JP 03044049 B JP 1984-251287
19841128

PRAI JP 1984-251287 19841128

IC A61K031-16; C07C103-50

AB JP 61129120 A UPAB: 19930922

New antitumour drug comprising **aniline** deriv. features contg.
aniline deriv. expressed by following general formula (I), where R1 is H, C1-C4 alkyl gp., R2 is H, acetyl and propionyl, R3 is CH₂CON(CH₃)₂.

Type of drug of this invention to be medicated includes powder, fine particle, granule, tablet, buffer tablet, sugar coated tablet, capsule, syrup, pill, suspension, soln., emulsion, etc. and as parenteral soln., ampoule, etc., and ointment, suppository. Example of prepn. (injection) is 1g of material is dissolved in physiological sodium chloride soln. to become 10 ml..

USE/ADVANTAGE - Antitumour drug, particularly with antitumour drug containing material expressed by the general formula (I), and effective on animal or human tumour, decrease of the number of tumour cells and inhibition of tumour growth.

0/0

FS CPI

FA AB

MC CPI: B10-B02A; B10-D03; B12-G07

=> d his

DEL HIS

FILE 'REGISTRY' ENTERED AT 12:52:06 ON 11 SEP 2002
 ACT DEW840322/A

L1 1 SEA FILE=REGISTRY ABB=ON PLU=ON ANILINE/CN

 ACT DEW840322A/A

 L2 (3660)SEA FILE=REGISTRY ABB=ON PLU=ON 62-53-3/CRN
 L3 9 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C6H7N AND PMS/CI AND 1

 L4 56 S 46.150.18/RID AND 1/N AND 1/NR AND PMS/CI AND 6/C AND 1/NC NO
 L5 4 S C6H5N AND L4
 L6 2 S L5 NOT (CL/ELS OR AMINO)

FILE 'HCAPLUS' ENTERED AT 12:58:10 ON 11 SEP 2002

L7 44 S L6
 L8 0 S L7 AND (1 OR 15 OR 63)/SC,SX
 L9 0 S L7 AND (THU OR BIOL OR BUU OR DGN)/RL

FILE 'REGISTRY' ENTERED AT 13:00:09 ON 11 SEP 2002

FILE 'HCAPLUS' ENTERED AT 13:00:59 ON 11 SEP 2002

E POLYANIL/CT
 E E9_ALL
 E POLYANIL/CT
 E E9+ALL
 L10 8471 S E5,E4+NT
 L11 30 S L10 (L) THU/RL
 L12 57 S L10 (L) (BIOL OR BUU)/RL
 L13 3 S L10 (L) (BAC OR COS OR DGN OR DMA OR PAC OR PKT)/RL
 L14 57 S L10 AND (PHARMACEUT? OR PHARMACOL? OR IMMUNO?)/SC, SX
 L15 83 S L11-L14

FILE 'CANCERLIT' ENTERED AT 13:09:46 ON 11 SEP 2002

L16 76 S L1 OR L3 OR L6
 L17 11 S ?OLIGOANILIN? OR ?OLIGO ANILIN? OR POLYANILINE OR POLY ANILIN
 E ANILINE COMOUNDS/CT
 E ANILINE COMPOUNDS/CT
 E E3+ALL
 L18 549 S E4/BI,CN
 L19 1221 S E4+NT
 L20 558 S L16-L18
 L21 183 S L20 AND C4./CT
 E TUMOR CELL/CT
 L22 153052 S E10+NT
 E E7+ALL
 L23 109 S L22 AND L20
 L24 242 S L21,L23
 L25 8 S L24 AND L18 (L) TU/CT
 E CHEMOTHERAP/CT
 E E11+ALL
 L26 1 S E7+NT AND L24
 L27 5 S (RE OR RA)/CT AND L24
 E RADIATION/CT
 E E3_ALL
 E RADIATION/CT
 E E3+ALL
 L28 6 S L24 AND E4+NT
 E SITE/CT
 E E26+ALL
 L29 223 S L24 NOT L17,L25-L28

L30 44 S L29 NOT AB/FA
 SEL DN AN 31
L31 1 S L30 AND E1-E3
L32 179 S L29 NOT L30
L33 165 S L32/ENG
L34 111 S L32 AND L18/MAJ
L35 104 S L33 AND L34

FILE 'CANCERLIT' ENTERED AT 13:24:01 ON 11 SEP 2002

FILE 'MEDLINE' ENTERED AT 13:24:15 ON 11 SEP 2002

L36 661 S L16 OR L17
L37 25 S L36 AND C4./CT
L38 6 S L36 AND TUMOR CELLS, CULTURED+NT/CT
L39 31 S L37,L38
 SEL DN AN 25
L40 1 S L39 AND E4-E6

FILE 'MEDLINE' ENTERED AT 13:27:34 ON 11 SEP 2002

L41 6656 S ANILINE COMPOUNDS/CT,CN
L42 9733 S ANILINE
L43 9751 S L36,L41,L42
 E CHIANG L/AU
L44 40 S E3,E10,E14
L45 1 S L43 AND L44
L46 0 S L44 AND C4./CT

FILE 'BIOSIS' ENTERED AT 13:28:53 ON 11 SEP 2002

L47 2220 S L16 OR L17
L48 7014 S L42
L49 7142 S L47,L48
L50 47 S 245?/CC AND L49
 E CHIANG L/AU
L51 55 S E3,E10,E29,E30
L52 1 S L51 AND L49

FILE 'EMBASE' ENTERED AT 13:31:12 ON 11 SEP 2002

L53 6584 S L43
 E ANILINE/CT
 E E3+ALL
L54 2221 S E1+NT
L55 182 S AMINOBENZENE OR AMINO BENZENE OR AMINOPHEN OR AMINO PHEN OR A
L56 6708 S L53-L55
 E CHIANG L/AU
L57 1 S E3,E12 AND L56
L58 392 S C6.610./CT AND L56
L59 65 S E2.230.150./CT AND L56
L60 21 S E2.745./CT AND L56
L61 36 S L58 AND L59,L60
 SEL DN AN 13
L62 1 S L61 AND E1-E2
L63 46 S L59,L60 NOT L61
 SEL DN AN L63 25
L64 1 S E3-E4 AND L63
L65 2 S L62,L64
L66 54 S L56 AND "TUMOR CELLS AND CELL LINES"+NT/CT
L67 50 S L66 NOT L59-L65
L68 63 S L56 AND E2.135./CT
L69 0 S L56 AND E4.80.135./CT
L70 6 S L68 NOT L59-L67
L71 2 S L65 AND L53-L70

FILE 'EMBASE' ENTERED AT 13:46:54 ON 11 SEP 2002

FILE 'WPIX' ENTERED AT 13:47:03 ON 11 SEP 2002

L72 3533 S L17
 E ANILINE/DCN
 E E3_ALL
 E ANILINE/DCN
 E E3+ALL

L73 2174 S E2 OR 0232/DRN
 E ANILINE/DCN
 E POLYANILINE/DCN

L74 5540 S L72,L73

L75 14677 S ANILINE

L76 2866 S L55

L77 19005 S L74-L76

L78 304 S L77 AND (P631 OR P633)/M0,M1,M2,M3,M4,M5,M6

L79 154 S L77 AND (B14-H01 OR B14-H01B OR B14-H03 OR B14-H04)/MC

L80 5 S L77 AND (C14-H01 OR C14-H01B OR C14-H03 OR C14-H04)/MC

L81 139 S L77 AND (B12-G07 OR C12-G07)/MC

L82 53 S L77 AND (A61P035-00 OR A61P035-04)/IC, ICM, ICS, ICA, ICI

L83 328 S L78-L82
 E CHIANG L/AU

L84 58 S E3,E7

L85 0 S L84 AND L77

L86 4 S L83 AND L72

L87 324 S L83 NOT L86

L88 256 S L75 AND L87

L89 28 S L73 AND L87

L90 296 S L87,L88 NOT L89
 SEL DN AN 216

L91 1 S L90 AND E1-E2

FILE 'WPIX' ENTERED AT 14:10:03 ON 11 SEP 2002